# CBCS SCHEME

USN ☐☐☐☐☐☐☐☐☐☐ **17CS832**

## Eighth Semester B.E. Degree Examination, July/August 2021
## User Interface Design

Time: 3 hrs.                                                                                     Max. Marks: 100

### Note: *Answer any FIVE full questions.*

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| **1** | a. | Define User Interface Design. Explain the importance and benefits of a good design. | **(08 Marks)** |
| | b. | Discuss Direct and Indirect Manipulation. | **(06 Marks)** |
| | c. | List the advantages and disadvantages of graphical system. | **(06 Marks)** |
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| **2** | a. | Explain the general principles of user interface design. | **(08 Marks)** |
| | b. | Explain the characteristics of graphical user interface. | **(06 Marks)** |
| | c. | Differentiate the characteristics of intranet and internet. | **(06 Marks)** |
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| **3** | a. | Write a note on guidelines that must be followed during Interface design that are valuable for user. | **(08 Marks)** |
| | b. | Explain the five commandments in designing for people. | **(06 Marks)** |
| | c. | Write short notes on Human Interaction speed. | **(06 Marks)** |
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| **4** | a. | Discuss with suitable examples the human characteristics on design. | **(10 Marks)** |
| | b. | Discuss the models for determining basic business function. | **(10 Marks)** |
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| **5** | a. | Explain the structures of Menus in detail. | **(10 Marks)** |
| | b. | Discuss Website Navigation in detail. | **(10 Marks)** |
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| **6** | a. | Explain functions of menus. | **(08 Marks)** |
| | b. | Explain any four graphical menus in detail. | **(06 Marks)** |
| | c. | Write notes on : (i) Formatting of menus. (ii) Phrasing the menus. | **(06 Marks)** |
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| **7** | a. | Discuss windows presentation styles. | **(10 Marks)** |
| | b. | List the components of windows and explain its importance. | **(10 Marks)** |
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| **8** | a. | Write the characteristics of Touch screen and keyboard. | **(08 Marks)** |
| | b. | Discuss the process to select proper interaction devices. | **(06 Marks)** |
| | c. | Compare different GUI controls. | **(06 Marks)** |
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| **9** | a. | Write notes on different prototypes used in User Interface Design. | **(08 Marks)** |
| | b. | Discuss presentation controls in detail. | **(06 Marks)** |
| | c. | Write notes on: (i) Think –Aloud Evaluation. (ii) Cognitive Walk – Throughs. | **(06 Marks)** |
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| **10** | a. | What is the need of usability test? Explain the process involved in developing and conducting a test. | **(10 Marks)** |
| | b. | Write notes on: (i) Slider (ii) Tree-view (iii) Tabs (iv) Scroll bars. | **(10 Marks)** |

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